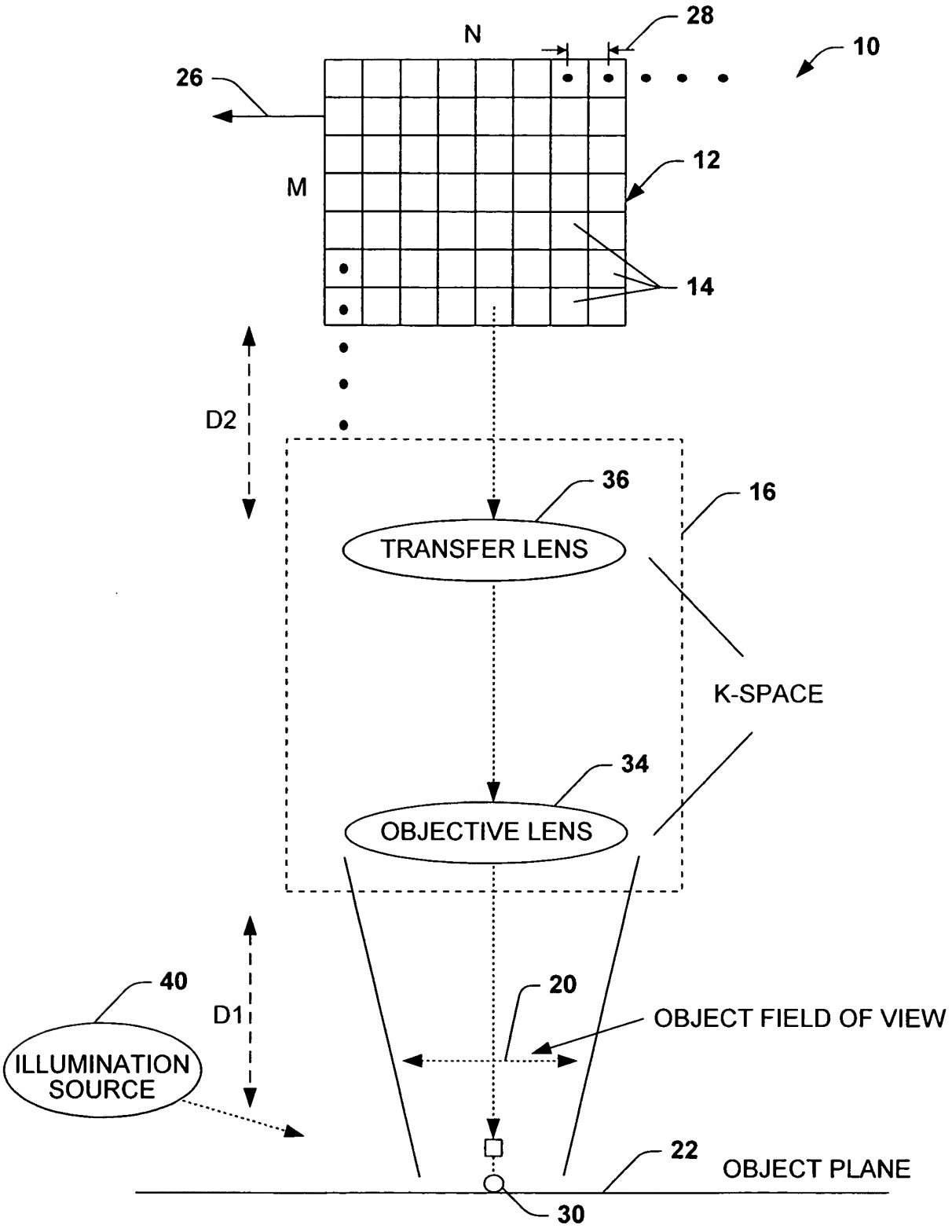
N
28
10
26
M
12
14
D2
36
16
TRANSFER LENS
K-SPACE
34
OBJECTIVE LENS
40
D1
20
OBJECT FIELD OF VIEW
ILLUMINATION SOURCE
22
OBJECT PLANE
30

FIG. 1

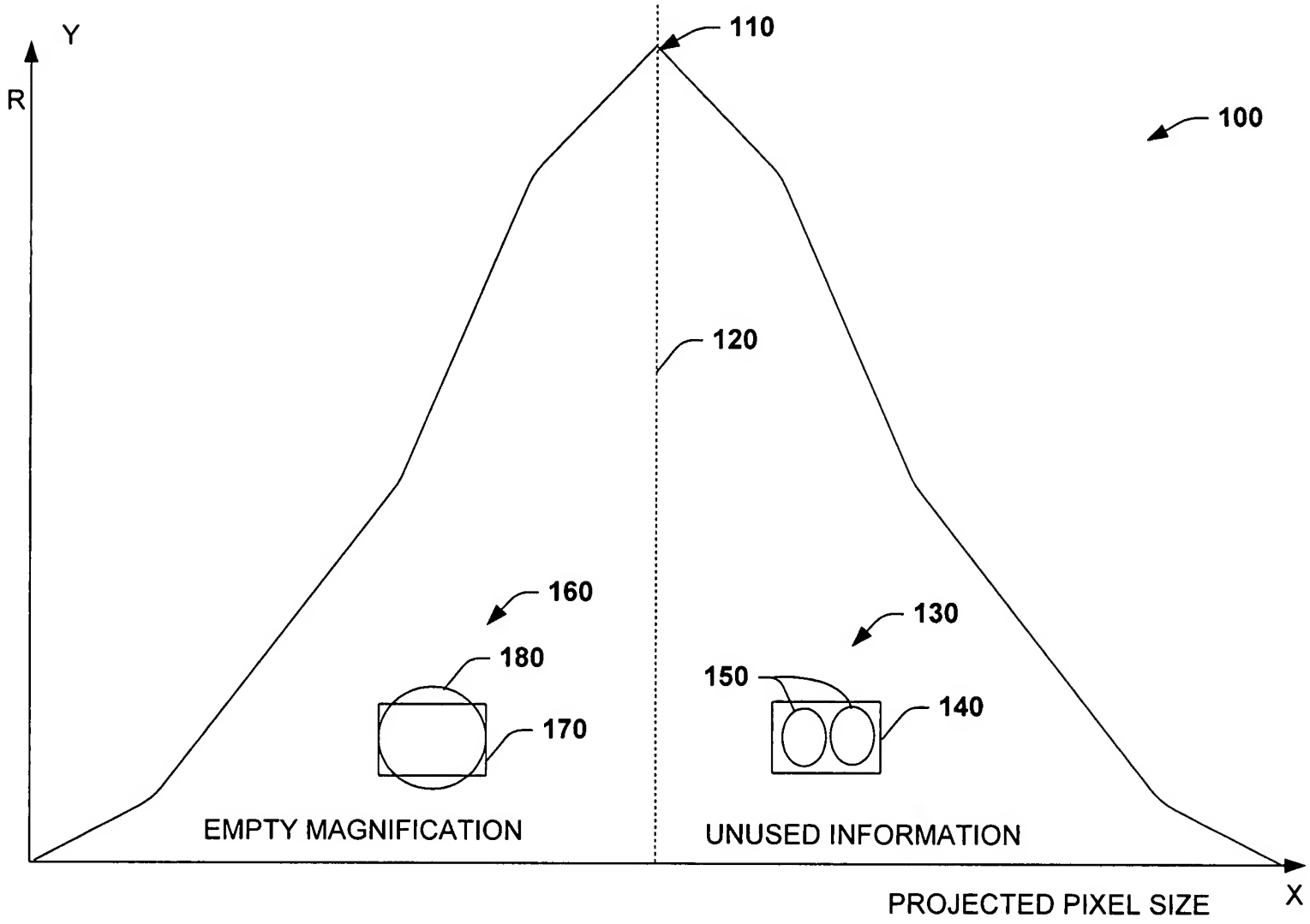
Y
R
110
100
120
160
180
170
130
150
140
EMPTY MAGNIFICATION
UNUSED INFORMATION
PROJECTED PIXEL SIZE
X

FIG. 2

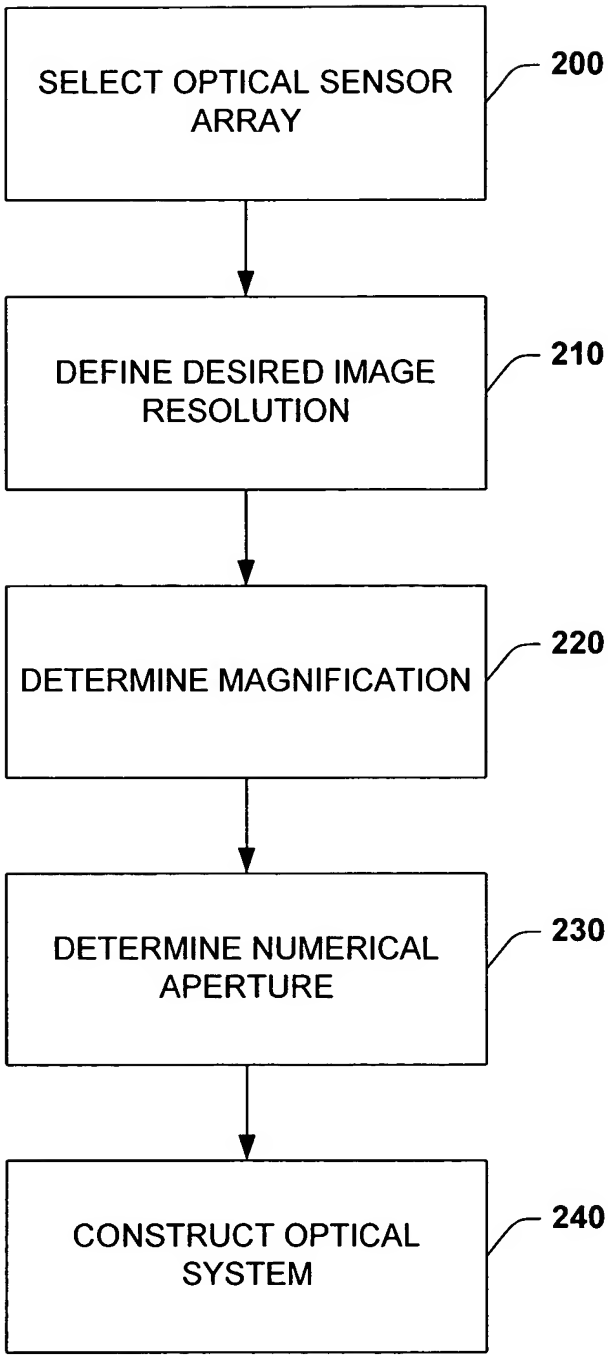

FIG. 3

Effective Resolved Magnification	750 x – 1500 x nominal Effective Magnification	1500x – 2500 x nominal Effective Magnification	2500x – 5000 x nominal Effective Magnification
Working Distance (mm)	**13.0 mm DRY** space	**5.0 mm DRY** space	**0.5 mm DRY** space
Absolute Spatial Resolution (nanometers)	**800 nm** typical -	**400 nm** typical -	**200 nm** typical -
Spatial Field Of View (mm)	**1.00 mm**	**0.500 mm**	**0.250 mm**
Conventional Objective employed	10 x **DRY**	20 x **DRY**	40 x **DRY**
Eyepiece (view or photographic)	**NOT EMPLOYED (DIGITAL DISPLAY)**	**NOT EMPLOYED (DIGITAL DISPLAY)**	**NOT EMPLOYED (DIGITAL DISPLAY)**
Depth Of Field (microns - µ)	**16 µ -**	**6.25 µ -**	**2.5 µ -**
Absolute Spatial Resolution per Pixel at Sensor (nanometers)	**800 nm** typical -	**400 nm** typical -	**200 nm** typical -

300

Fig. 4